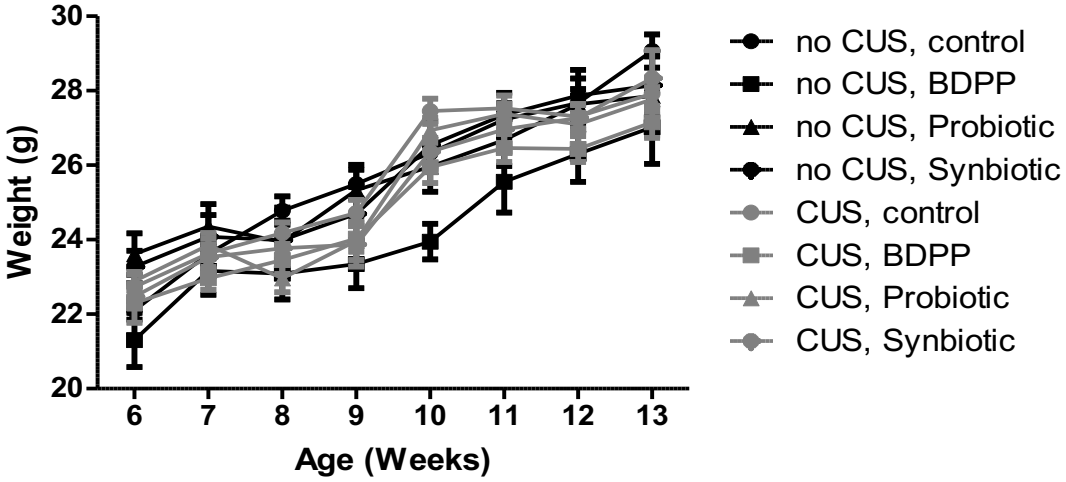
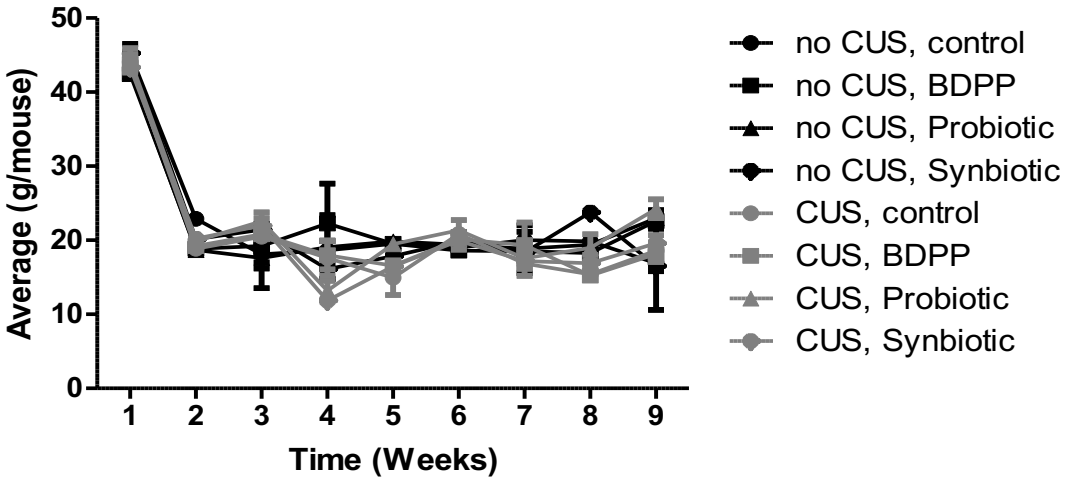
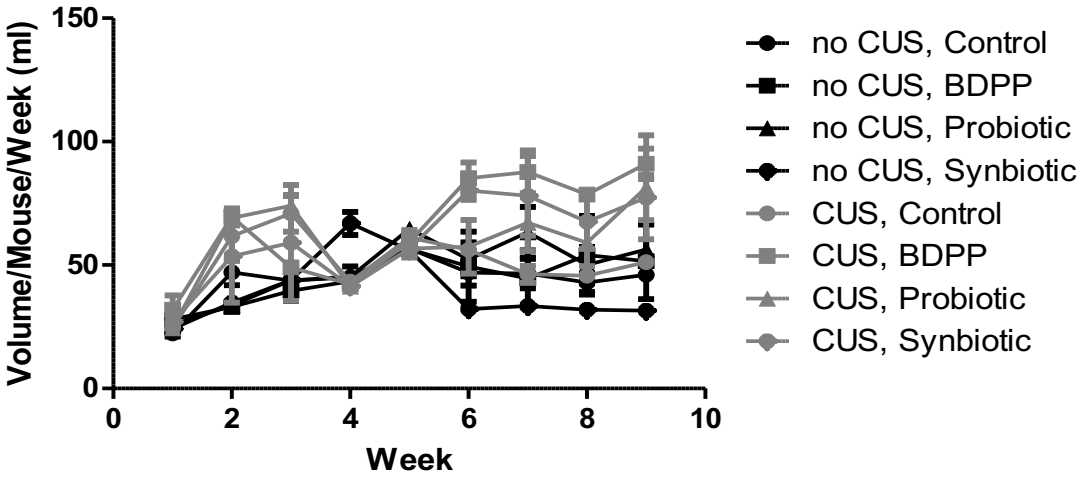
(a) Weight



(b) Food Consumption

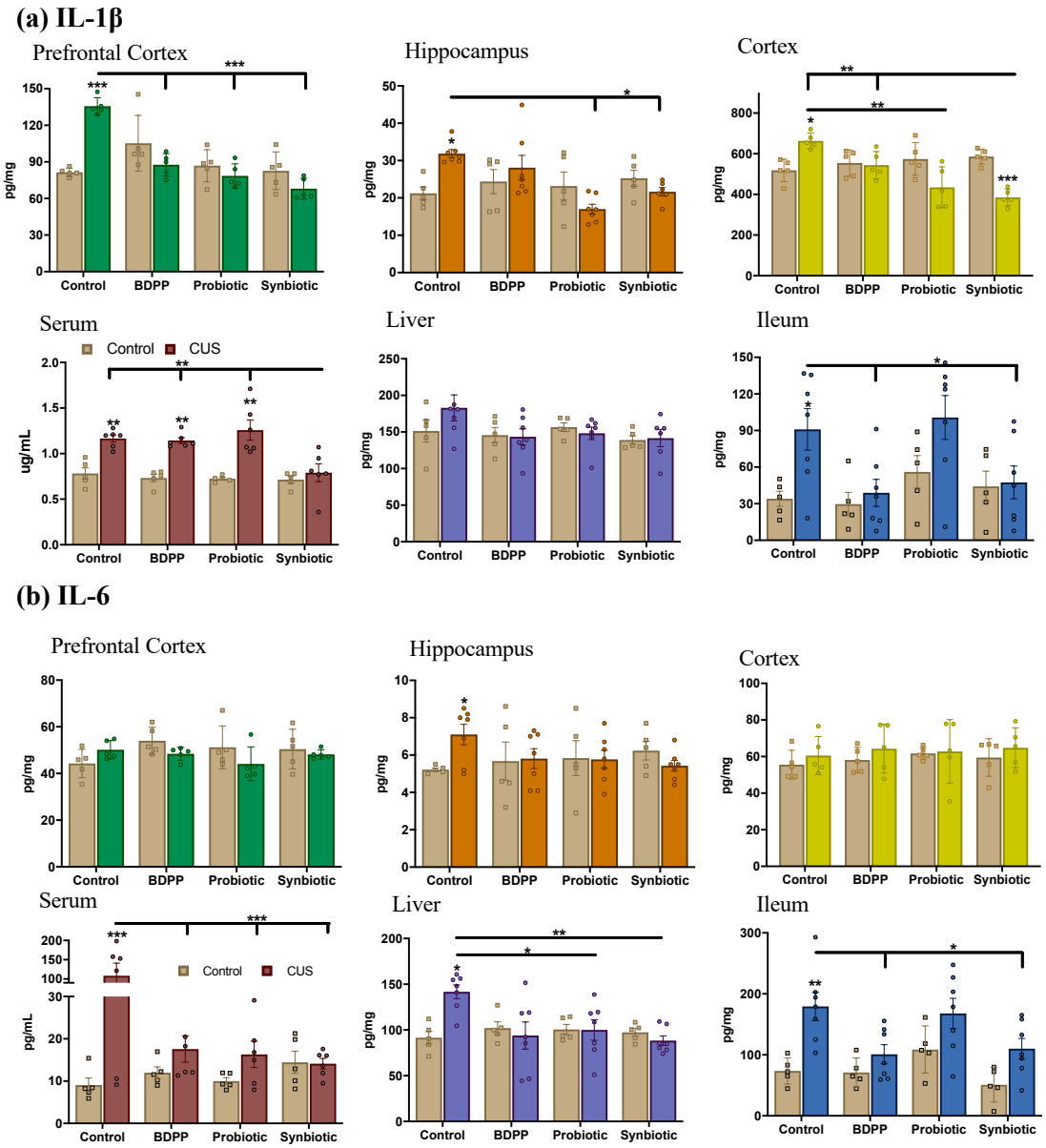


(c) Water Consumption

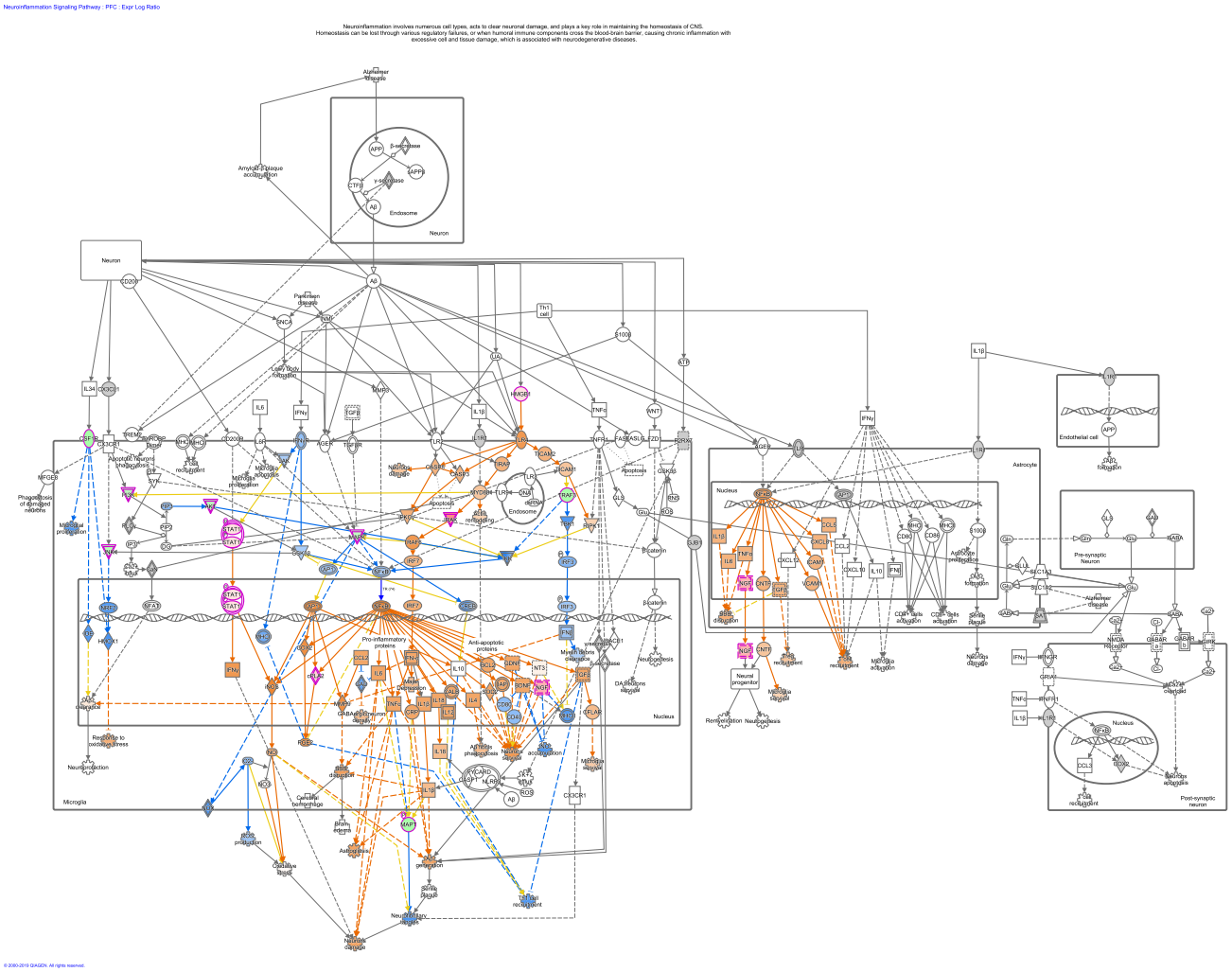


Supplementary Figure 1: Weight, Food and Water Consumption of Mice Undergoing Chronic Stress Protocol

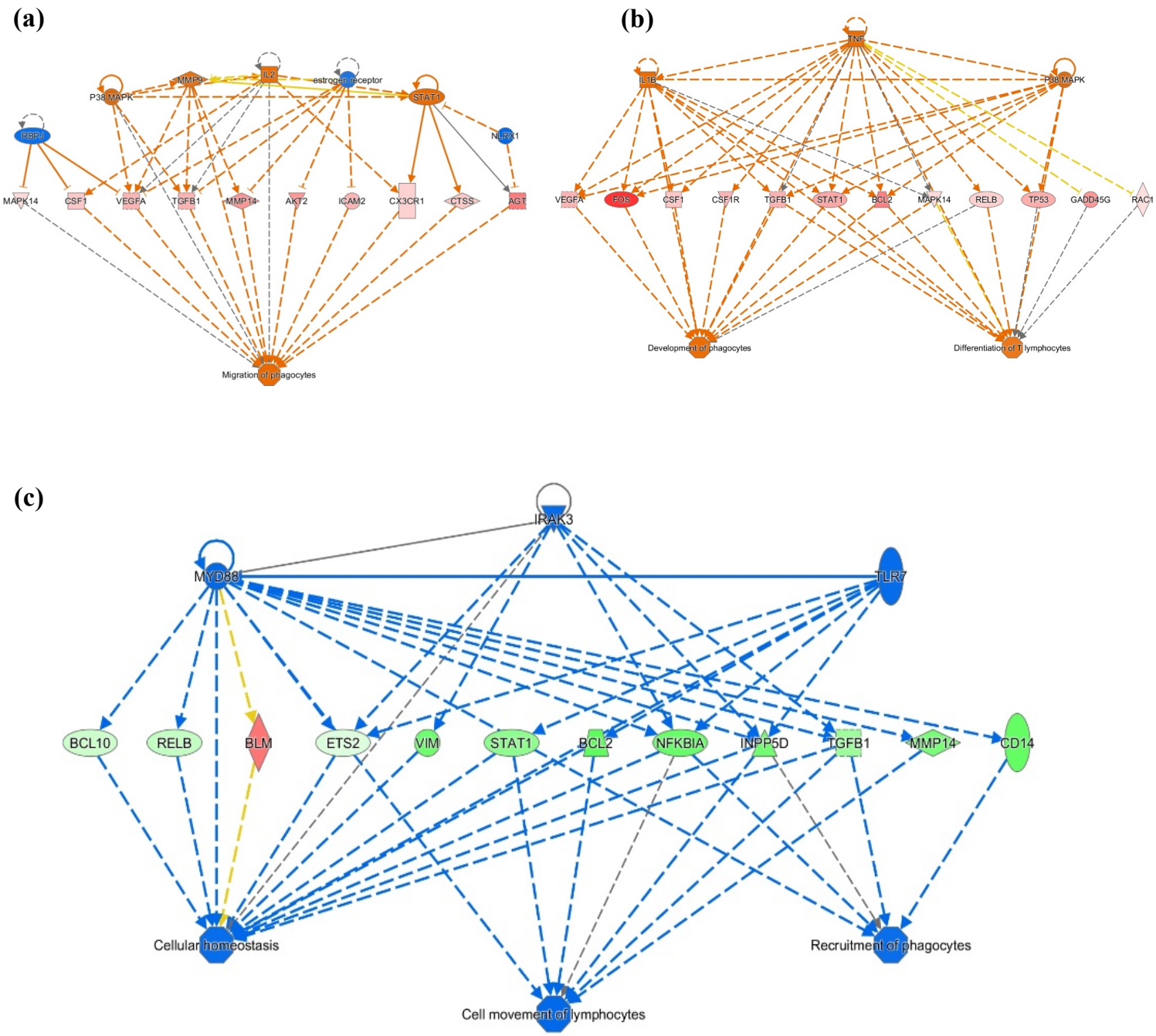
Supplementary Figures



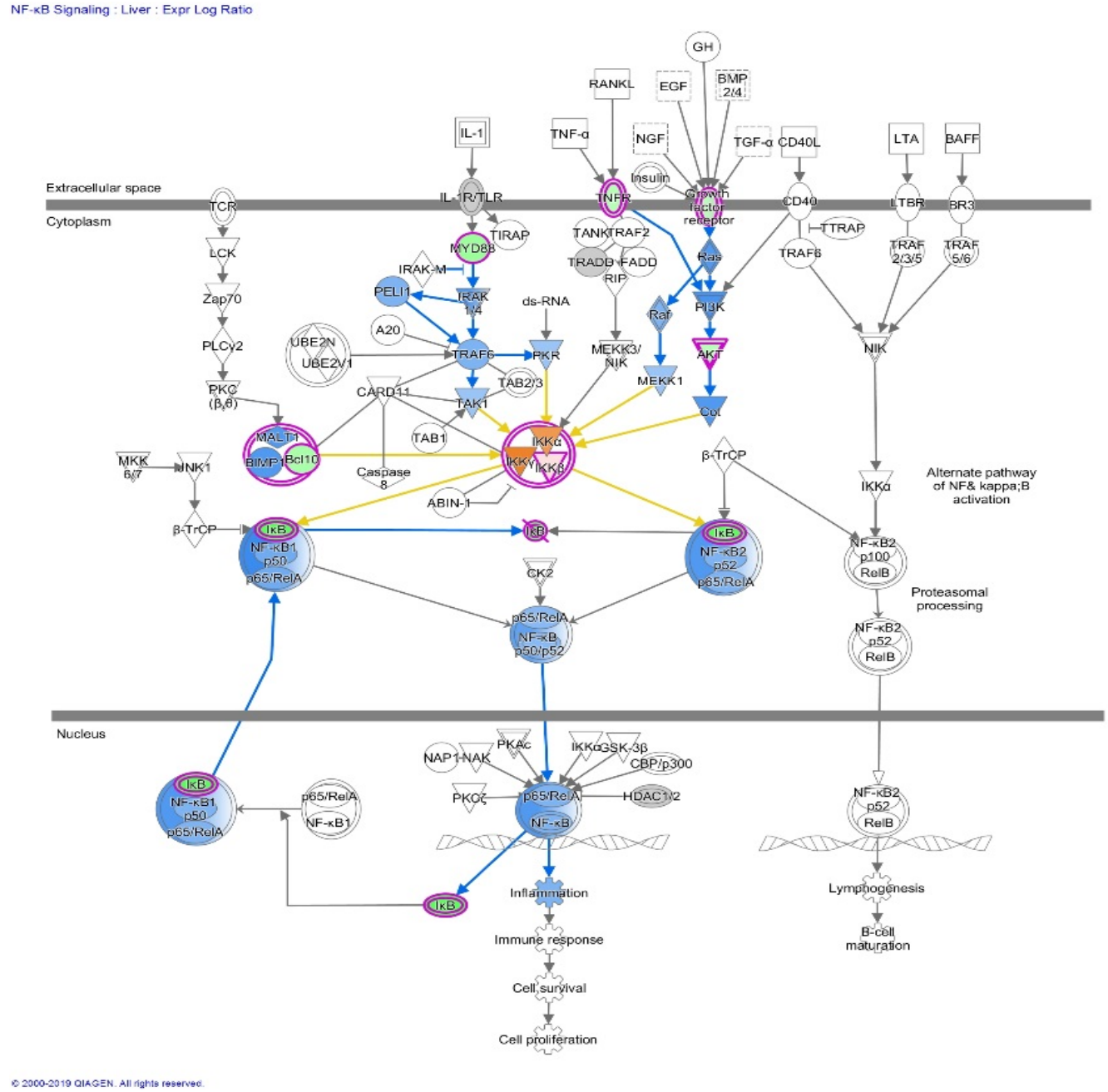
Supplementary Figure 2: A Synbiotic Differentially Impacts Inflammasome-mediated IL-1β Signaling along the Gut-Brain-Axis. Cytokine expression of (a) IL-1β and (b) IL-6 was determined by ELISA in the prefrontal cortex, hippocampus, cortex, serum, liver and ileum. Each group represents $n = 6$ independent samples mean +/- SEM with significance determined with a 2-way ANOVA and Tukey's posthoc analysis with *$p<0.05$ and **$p<0.01$.



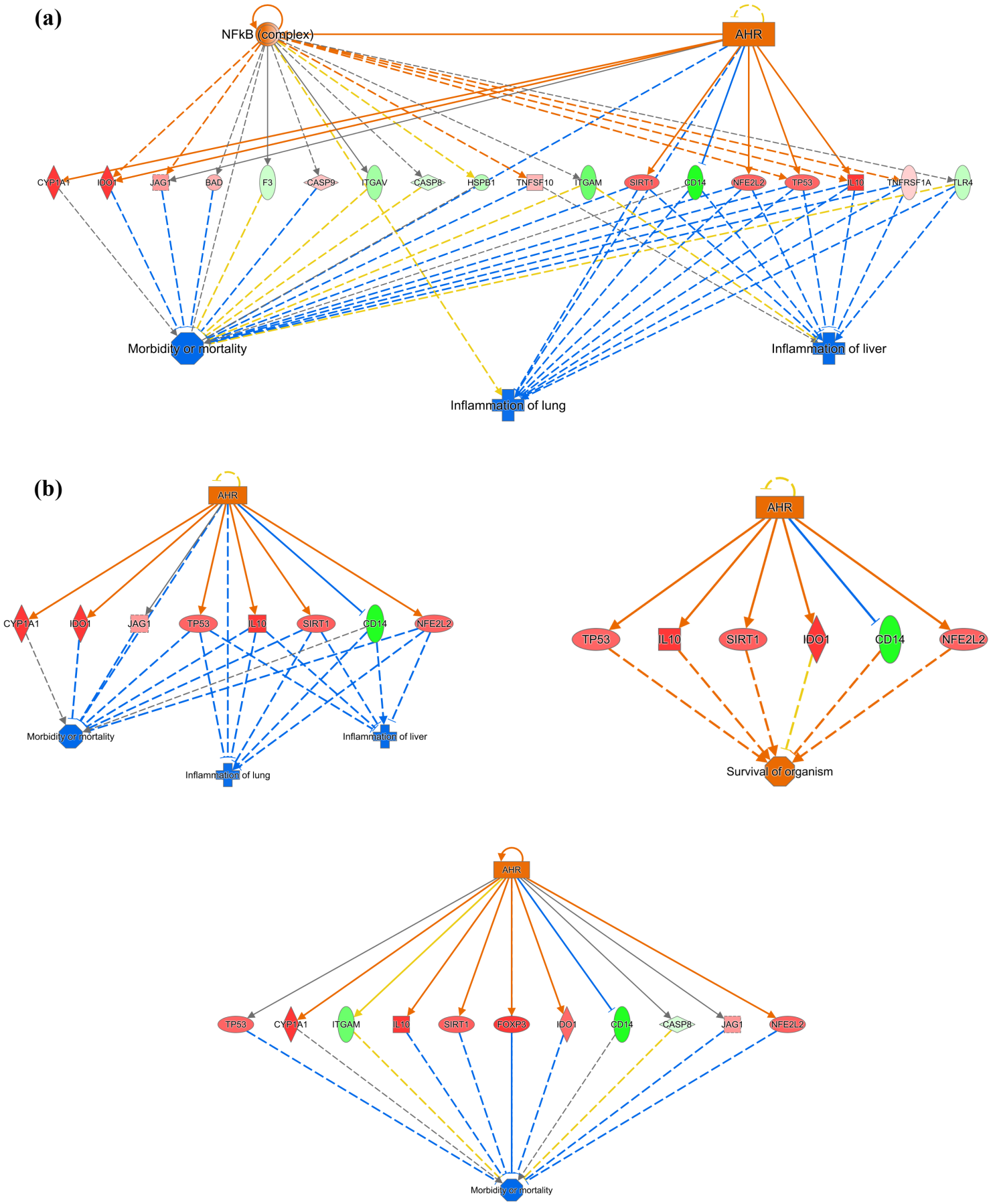
Supplementary Figure 3: Integrated Pathway Analysis of NanoString Differential Expression in Prefrontal Cortex of Stressed Controls



Supplementary Figure 4: Integrated Pathway Analysis of NanoString Differential Expression in Hippocampus Stressed Controls and Synbiotic Treated



Supplementary Figure 5: Integrated Pathway Analysis of NanoString Differential Expression in Liver of Synbiotic-Treated Stressed Mice



Supplementary Figure 6: Integrated Pathway Analysis of NanoString Differential Expression in Ileum of Synbiotic-Treated Stressed Mice